PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	MSSEVKQLIVVAEGTAALGPYWQTIVSDYLEKIIRSFCGSELNGERNMSSEVKQLIVVAEGTAALGPYWQTIVSDYLEKIIRSFCGSELNGERN
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	PVSTVELSLVIFNSHGSYCACLVQRSGWTRDVDIFLHWLSSIQFGGGGFNE-VATAEGLA PVSTVELSLVIFNSHGSYCACLVQRSGWTRDVDIFLHWLSSIQFGGGGFNE-VATAEGLA PTSSAELSLVTFNSHGSYSACLVQRSGWTRDVDIFLHWLSAIPFAGGGFND-AAIAEGLS SAADVEVSMVMFNTHGPYSACLVQRSGWTKDMDTFLQWLSAIPFSGGGFND-AAVAEGLA DYGGTQYSLVVFNTVDCAPESYVQCHAPTSSAYEFVTWLDGIKFMGGGGESCSLIAEGLS DYGGTQYSLVVFNTVDCAPESYVQCHAPTSSAYEFVQWLDSIKFMGGGGESCSLIAEGLS ERFATLYGIVVYRTAANLLEPVCSTYGPFLQPQKVMETIERLPLVGGGMESCAHMAEGFA ***::
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	EALMMFSPPSGQAQPSNDLKRHCILITASNPHILPTPVYRPRLQNVERNENGDAQAES EALMMFSPPSGQAQPSNDLKRHCILITASNPHTLPTPVFRPRLQSVERNENGDAQAES EALMMFPITPNGNQTQPNTDGQRNCILIAASNPHPLPTPVYRPQIQNLEQTENIDAQNES EALVMFSV-PNGNQTQQKMEGKKHCILISGSNPYPLPTPVYRPQMQKLEQNENIEAQTDS TALQLFDDFKKMREQIGQTHRVCLLICNSPPYLLPAVESTTY TALQLFDDFKKMREQIGQTHKVCILICNSPPYLLPAVESTTY AAHGCFDDISERRQLLDQTSVQRHCILICNSPPYQMPTTESWKY * * : : : *:** * *::*:
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	RLSDAETVASYFAKCSVSLSVVCPKQLPTIRALYNAGKPNQQSADLSIDTAKNTFYLV RLSDAETVASYFAKCSVSLSVVCPKQLPKIRALYNAGKLNPQSADLSIDTAKNTFYLV RLSDAETVAKSFPQCSVSLSVICPKQLPKLRLIYNAGKRNSRAADPPVDNIKNPHFLV RLADAETVAKTFPQCSISLSVICPKKLPKLRAIYDAGKHNPRAADPPIDTAKNPNFLV SGCTTENLVQQIGERGIHFSIVSPRKLPALRLLFEKAAPPALLEPLQPPTDVSQDPRHMV SGYTTENLVQKIGERGIHFSIISPRKLPALRTLFEKAMPVGLIEPQPKDYSQDPRHMI PGKSCEQLAALFNERKINLSIIAPRKMPVLFKLFMKADGDQPITSKNYAKNIRHLV * : : : : : : : : : : : : : : : : : : :
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	LISENFVEACAALSHS-ATNLPQTQSPVKVDRATVAPSIPVTGQPPAPVSSANGPIQNRQ LISENFVEARAALSHS-ATNLPQTQSPVKVDRATVAPSLPVTGQPPAPVTSANGPIQNRQ LISENFMEARAALSRPGATSLPSNQTPVKVDIASVTSVTGPLPASIPSVNGSITNRP LISENFIEARAAFSRSGLTNLASNHSPVKMDVSSVLPVSGTQSISNSAANVSVISRP LVRGLVLPVGGGSA-PGPLQSKQPVPL-PPAAPS LVRGMVLPVGGATSVPGVMPPKQHISQ-PPLPVV LLKGYSLKERAPSPNSMAAQMAAPN-AAQATVQQQQQ-QQQNQAGQQQQQQ
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis	PVSVGPVPTATVKVEPSTVTSMAPVPSFPHIPAVARPATQAIPSIQTSSASPVSQDMVSN PVSVGPVPTATVKVEPSTVTSMAPVPNFPHIPSVARPATQPIPSIQTSSASPVSQDMVTN PISVGNLPTATVKVEPSTITSMANGSAFPHITSVPRPSSQGVPSMQTSSPSTTTQDMATN PISAGNIPPATVKIEPNTVTPMT-GPGFSHIPSV-RPALQPVPSLQASSPLSVSQEMVSH GATLSAAPQQPPQIASAPSHQ

MED25_D.melanogaster	GQQQQQQQQQQQQQQQQQQQQVMNMN:
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	AENAPDIKPVVVSGMTPPLRTGPPGGANVNLLNNLSQVRQVMSSAALAGAASS AENAPDIKPVVVGGMTPPLRTGPPGGANVNLLNNLSQVRQVMSSAALAGAASS GENAQDLKPNVSV-TTQSARSAPPAAANVNILNNLSQARQVMNSAALSGGTSIGLPS TENVQEMKPIVS-GMTQSLRPVAAAAANVKILNGVAQAHQVLGGGTSIGLQSLPPVPPQYQV-PGN-LSAAQVAAQNAV-EAAKNQKAGL-GPRFSP-ILPPVQPPYMQVPQQST-LTPAHAAAHSAV-EAAKNQKNSP-SNRFLLPN TMQQQQPGPNPPAGLLNPQQQQQLLQQQQQNQFVSNQMQNQNFQQNVGPGQNRWMYPN * . : :
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	VGQSAVAMHMSNMISTGMATSLPPSQTVFSTGQQGITSMAGSGALMGSAQTGQSP AGQSAVAMHMSNMISTGMATSLPPSQTVFSTGQQGITSMAGSGALMGSAQTGQSP INQTSVAMHMSSMISSGMTSSVPAAQTVFSSGQPGVSSITGSGNLTGTTQITPNS MGGTPMLSSMISSGMASSVPASQAVLSSGQSGVTTMTGAVPLAGSAQNTQNSGVGPPFSQAPAP
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	GPNN-AFSPQTT-SNVASNLGVSQPMQGMNQG GPNN-AFSPQTT-PNVASNLGVSQPMQGMNQG GLGS-FTSATSNMPGNSNLGGISQPMGNLHAGVSISQS- APSS-FTSTAPSMSGQTVPAMSQG QLPPHORDHAGVSISQS
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	SHSGAMMQGGISMNQNMMSGLGQGNVSSGTGGMMPTPGVGQQAQSHSGAMMQGGISMNQNIVSGLGQGNVSSGTGGMMPTPGVGQQAQ AMSGLGTNPNT-MSGSGAQMVQSGMGANPNTMSGLGASGVSSGSNTMIPTPGMSQQVQNIPGTQMMPSGTGMNQNMLTGLGATGLPSGTGTMMPTPGMSQQGQ -APGSGLAP-TAQPGAPSMAGTVAPGGVSGPS -TTGPGPAP-VQLQQQGAPQQPVPPSMPITGAVGGVQAPQ LQQQQQLAQQQQQQQQQQQQQVNPNAGNNMMPASNAGNMSNPQ . * :
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	SGIQQLGGSNSSAPN-MQLSQPSSGAMQTSQSKYVKVWEGNLSGQRQGQPVLIT SGIQQLGGSNSSAPN-MQLSQPSSGALQTSQSKYVKVWEGNLSGQRQGQPVLIT SGMQPLGANNNSAAN-LPLSQQTAGGLQPAQSKYVKVWEGNLSGQRQGQPVFIT PGMQPVGVNSTSANM-PLSQQQTSGALPSAQSKYVKVWEGNLSGQRQGQPVFIT PAQLGAPALGGQQSVSNKLLAWSGVLEWQEKPKPASVDANTKLT PSQPQIGTVQLPCTQTPVNGNKLLAWSGVLEWQEKPRSVSVDNNAKLT QQQQQVGQQSNPQQQGNPQQQQGNSQQEQASLREKIWTGVLEWSEKPKSDQQKIP :* * * * : :
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis	RLEGYRSASASDSLAANWPPTMQIVRLISQDHMNNKQYVGKADFLVFRAMSQ-RLEGYRSASASDSLAANWPPTMQIVRLISQDHMNNKQYVGKADFLVFRAMSQ-RLEGYRSASASETLAANWPPTMQIVRLISQDHMNNKQYVGKADFLVFRAMNQ-RLEGYRSASASESLAANWPPTMQIVRLISQDHMNNKQYVGKADFLVFRAMNQ-RSLPCQVYVNHGENLKTEQWPQKLI-MQLIPQQLLTTLGPLF-RNSRMVQFHFTNKDRSLPCQVYINPGENLKTDQWPQKLI-MQLIPQQLLTTLGPLF-RNSRMVQFHFTNKDRSLPCQVYINPGENLKTDQWPQKLI-MQLIPQQLLTTLGPLF-RNSRMVQFHFTNKD

MED25_D.melanogaster	HTLQCTVCTNIKDGEPEIKAENWPPKLL-MQLMPKHLVGNIGGQFLKDSKMVVFRPTP::::*::::::::::::::::::::::::::::::
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	HGFLGQLQDKKLCAVIQLPSQTLLLSVSDKACRLIGMLFPGDMVVFKPHGFLGQLQDKKLCAVIQLPSQTLLLSVSDKACRLIGMLFPGDMVVFKPHGFLGQLQEKKLCAVIQLPSQTLLLSVSDKACRLIGMLFPGDMVVFKPHGFLSQLQEKKLCAVIQLPSQTLLLSVSDKACRLIGMLFPGDMVVFKP LESLKGLYRIMGNGFAGCVHFPHTAPCEVRVLMLLYSSKKKIFMG LESLKGLYRIMGSGFAGCVHFPHTTPCEVRVLMLLYSSKKKIFMG GEALDSLAKMMTSGYAGCVHFSSIPNSPACDLKVLILLYTPDRNAFLG *: :: *
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	QIPNQQQQQQLHQQQQQQQIQQQQQQHLQQQMPQLQQQQQHQIPNPQQQQQQLQQQQQIQQQQQQQQQQQQQQQQQQQQQQ
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	QQQQQQHQLSQLQHHQ
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	QQQQHQLTQLQHHHQQQQQASPLNQMQQQTQQQQHQLTQLQHHHQQQQ
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis MED25_D.melanogaster	SPLNQMQ-QQTSPLNQMQQQQPQQMVMGGQA-FAQAPGRSQQGG-SPLNQMQ-QQTSPLNQMQQQQQPQQMVMGGQA-FAQAAGRSQQGG-QQLQQQQQ-QQMQQQQQQQQQQQQQQQQQQ-VGTGMGQT-YVQGPGRSQLVSQQIPQMQQQQQIPQMQQQQQQPMVGTGMNQT-YMQGPARSQLMSQPQLRSLLLNPPPPQTGVPPPQASLHHLQPPGAPALLPPPHQGLGQP-QLGPPQLRNLLLSQQPPQSSVPQTQQPLHHMQQAAQSMLPHQAMGQQMQHQAPGQLQLPGQPGLRQLLQHQTTPGNQFRPQ
PFT1_A.thaliana PFT1_A.lyrata PFT1_P.trichocarpa MED25_S.lycopersicum MED25_H.sapiens med25_X.laevis	GGGQPNMPGAGFMGGGGQPNMPGAGFMGGFMGGGGQPNMSGGGFMSQSQGPANMSGGGFMSQSQGLPITPGGGFMN

MED25_D.melanogaster	r
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anogaster -----GGQNPNQMGAGGPMVGNRNFDDGNYEFM-----